

CHEMICAL STRUCTURES OF α AND β -CELLOBIOSE OCTANONANOATE.

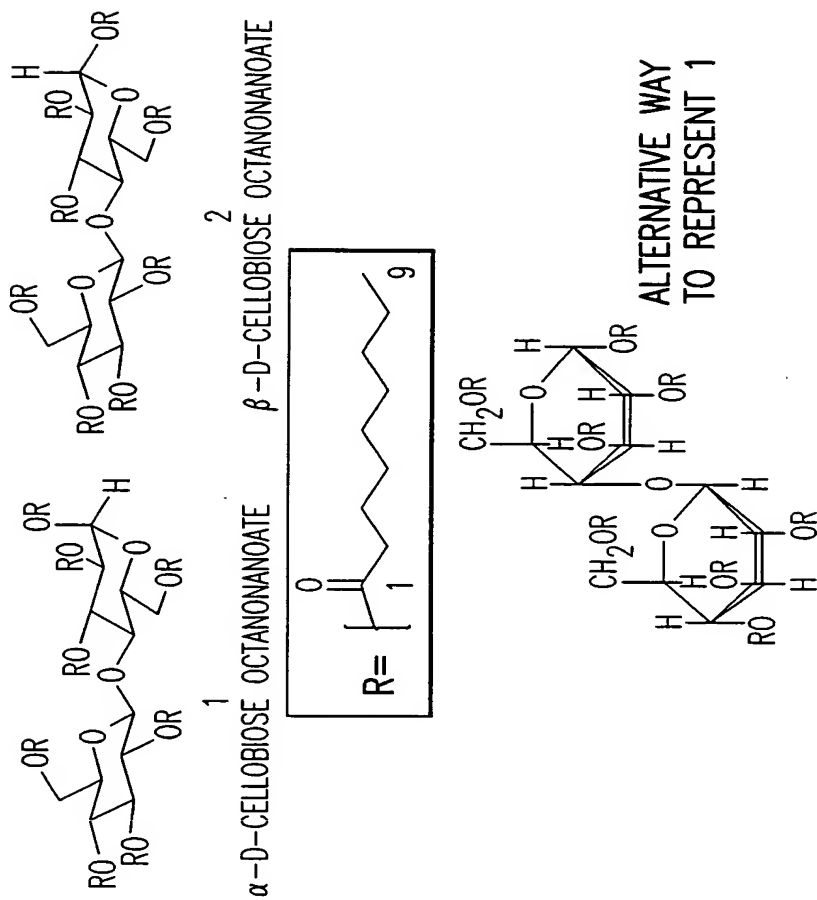


FIG.1

THE CHEMICAL CONVERSION OF β -D-CELLOBIOSE TO α -D-CELLOBIOSE OCTANONANOATE.

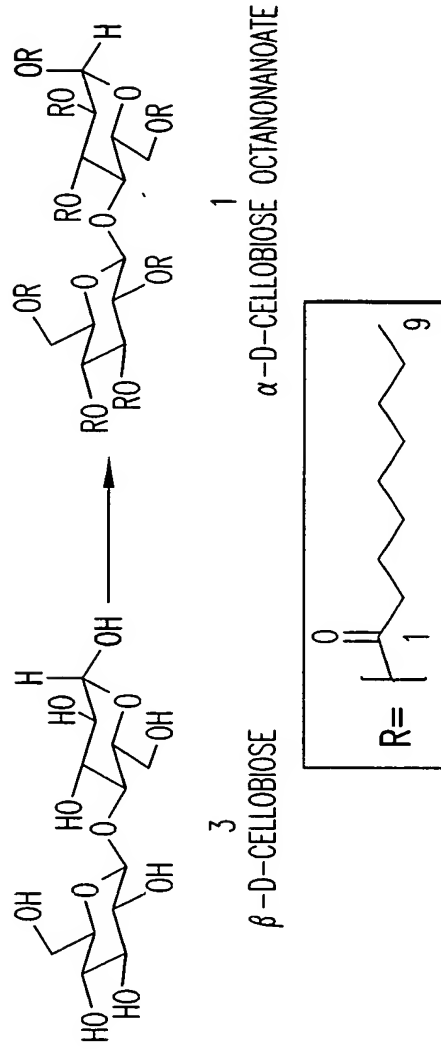


FIG.2

¹H NMR SPECTRUM OF CELLOBIOSE OCTANONANOATE WITH ANOMERIC
 α AND β REDUCING END RING HYDROGENS EXPANDED.

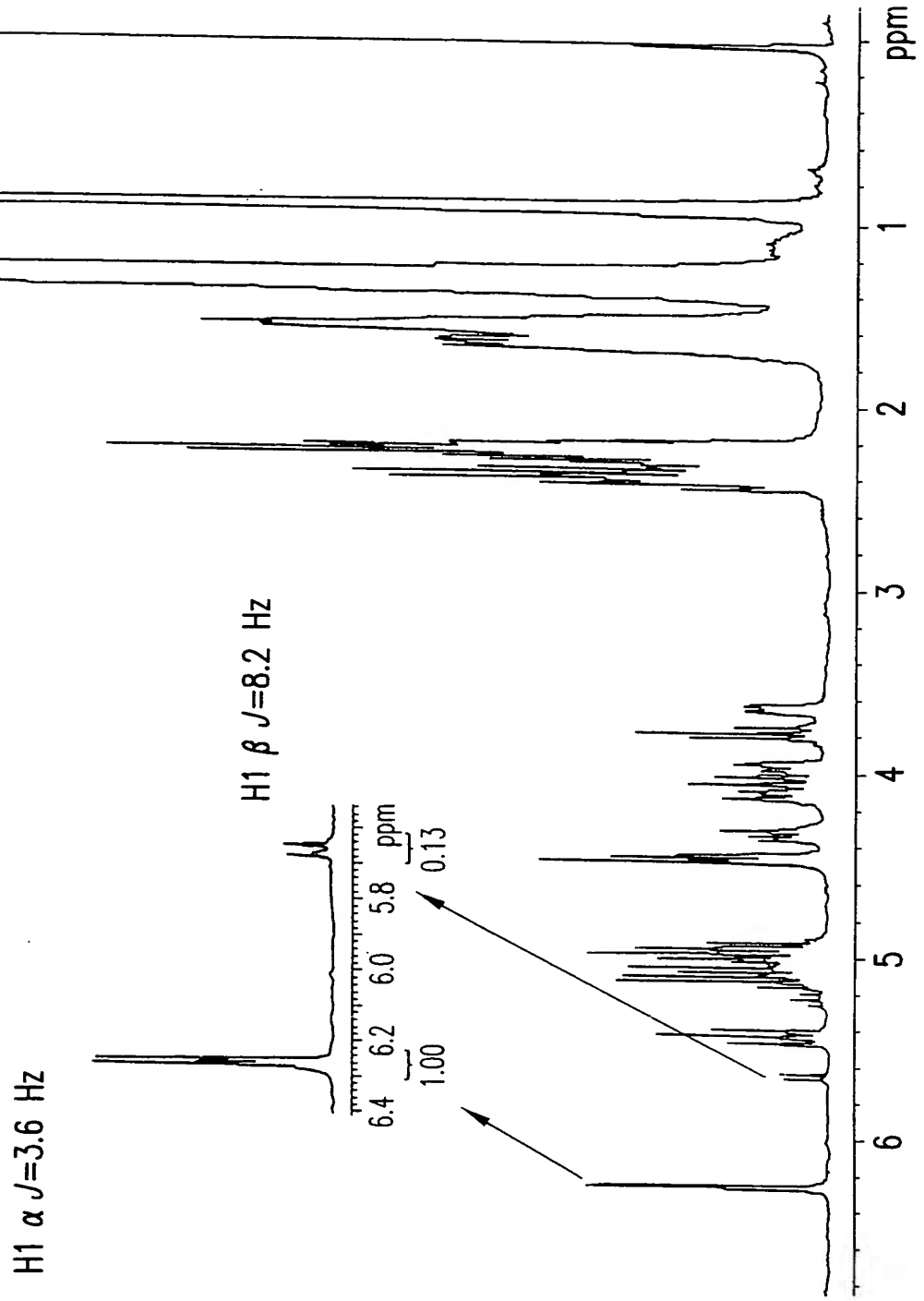
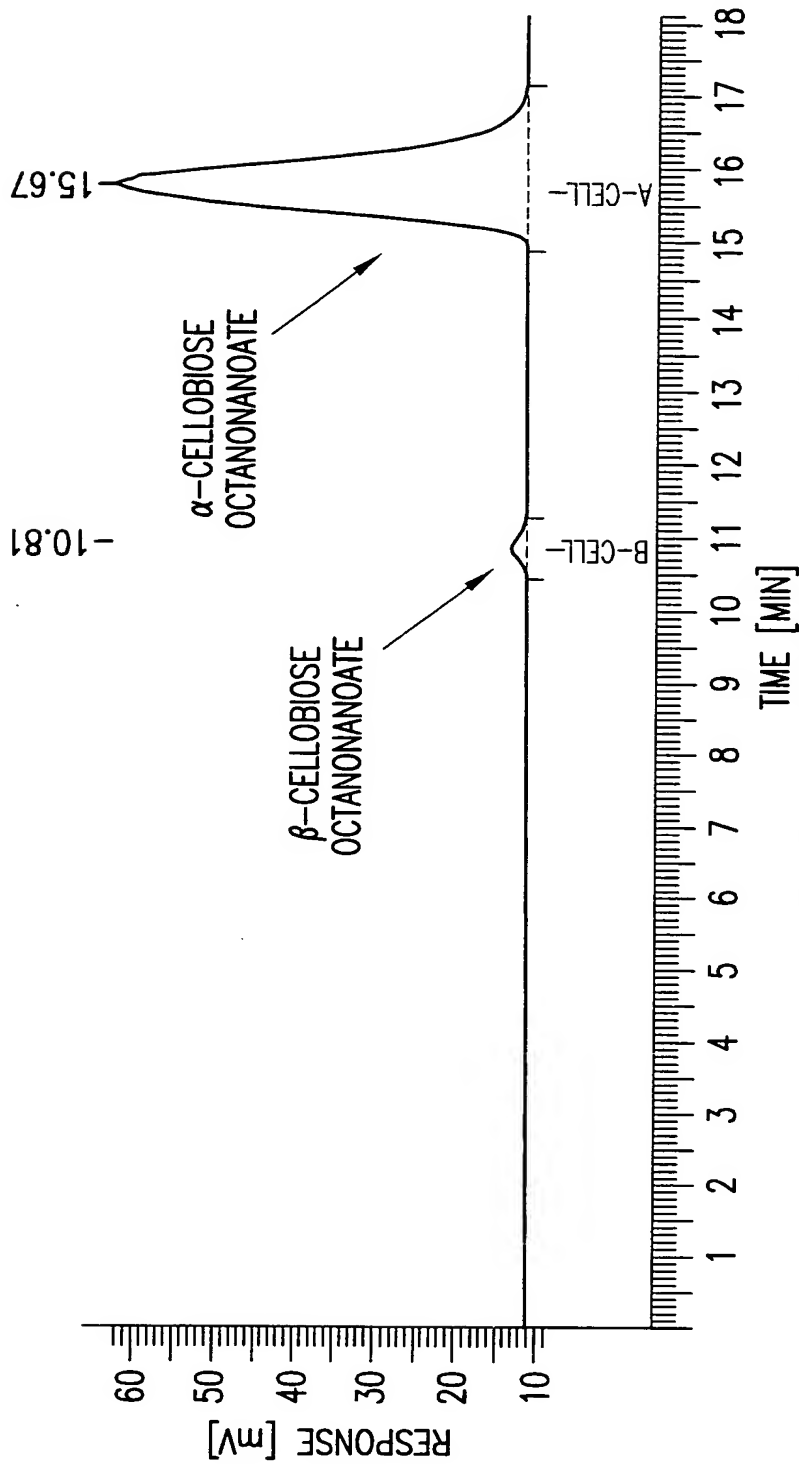


FIG.3

HPLC PLOT SHOWING THE RESOLUTION OF THE α AND β -ANOMERS OF CBON.



ANALYSIS OF CELLOBIOSE OCTANONANOATE

PEAK #	COMPONENT NAME	TIME [MIN]	AREA [$\mu\text{V}\cdot\text{s}$]	HEIGHT [μV]	BL	RAW AMOUNT	WT%
1	β -CELLOBIOSE OCTANONANOATE	10.806	36071	1674.13	BB	43.9	6.27
2	α -CELLOBIOSE OCTANONANOATE	15.670	2370680	51163.97	BB	576.0	82.29
			2406751	52838.10		619.9	88.56

FIG.4

α -CONTENT vs. VOLUMES OF PRECIPITATION SOLUTION.

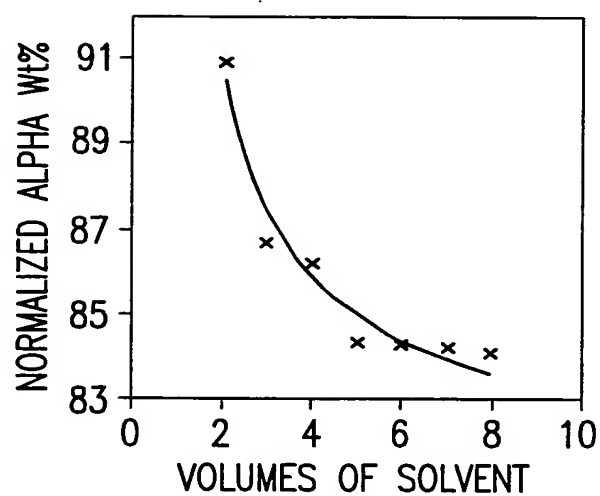


FIG.5

FIG. 6

